

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001199

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61M 39/18, A61J 1/00, A61M 1/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61J, A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC, BIOSIS, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | US 6293921 B1 (SHINMOTO, K. ET AL), 25 Sept 2001 (25.09.2001), column 3, line 66 - column 4, line 4; column 4, line 18 - line 61; column 7, line 24 - column 9, line 19, figures 1a-1c, abstract | 1-15,29-50            |
| A         | ---  | 16-28                 |

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

4 November 2004

Date of mailing of the international search report

11-11-2004

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Anna Malmberg /OGU

Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001199

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| X         | PATENT ABSTRACTS OF JAPAN<br>Vol. 2000, No. 19,<br>05 June 2001 (2001-06-05)<br>abstract<br>& JP 2001 037874 A (JAPAN SERVO CO LTD; JMS CO LTD)<br>13 February 2001 (2001-02-13)<br>see all figures | 1-15,29-50            |
| Y         | --  | 16-28                 |
| Y         | PATENT ABSTRACTS OF JAPAN<br>Vol. 2000, No. 26,<br>01 July 2002 (2002-07-01)<br>abstract<br>& JP 2001 238945 A (NIIMOTO KAZUHIRO)<br>04 September 2001 (2001-09-04)<br>see all figures              | 16-28                 |
| A         | US 4882496 A (BELLOTTI, M. ET AL), 21 Sept 1989<br>(21.09.1989), the whole document   | 1-50                  |
| A         | US 4655753 A (BELLOTTI, M.C. ET AL), 7 April 1987<br>(07.04.1987), the whole document   | 1-50                  |
|           | --<br>-----   |                       |

## INTERNATIONAL SEARCH REPORT

Information on patent family members

01/10/2004

International application No.

PCT/SE 2004/001199

|    |         |    |            |    |              |            |
|----|---------|----|------------|----|--------------|------------|
| US | 6293921 | B1 | 25/09/2001 | EP | 0925797 A    | 30/06/1999 |
| US | 4882496 | A  | 21/09/1989 | AT | 78179 T      | 15/08/1992 |
|    |         |    |            | AT | 99964 T      | 15/01/1994 |
|    |         |    |            | AT | 109363 T     | 15/08/1994 |
|    |         |    |            | AU | 615549 B     | 03/10/1991 |
|    |         |    |            | AU | 639602 B     | 29/07/1993 |
|    |         |    |            | AU | 651274 B     | 14/07/1994 |
|    |         |    |            | AU | 3547989 A    | 24/11/1989 |
|    |         |    |            | AU | 3718893 A    | 15/07/1993 |
|    |         |    |            | AU | 8469391 A    | 21/11/1991 |
|    |         |    |            | CA | 1319806 A,C  | 06/07/1993 |
|    |         |    |            | DE | 459599 T     | 30/04/1992 |
|    |         |    |            | DE | 459600 T     | 30/04/1992 |
|    |         |    |            | DE | 68902129 D,T | 25/02/1993 |
|    |         |    |            | DE | 68912349 D,T | 21/07/1994 |
|    |         |    |            | DE | 68917319 D,T | 08/12/1994 |
|    |         |    |            | EP | 0368959 A,B  | 23/05/1990 |
|    |         |    |            | SE | 0368959 T3   |            |
|    |         |    |            | EP | 0459599 A,B  | 04/12/1991 |
|    |         |    |            | SE | 0459599 T3   |            |
|    |         |    |            | EP | 0459600 A,B  | 04/12/1991 |
|    |         |    |            | SE | 0459600 T3   |            |
|    |         |    |            | HK | 101592 A     | 24/12/1992 |
|    |         |    |            | HK | 115794 A     | 27/10/1994 |
|    |         |    |            | JP | 2504004 T    | 22/11/1990 |
|    |         |    |            | JP | 6022621 B    | 30/03/1994 |
|    |         |    |            | KR | 123372 B     | 19/11/1997 |
|    |         |    |            | SG | 29594 G      | 28/10/1994 |
|    |         |    |            | SG | 129994 G     | 13/01/1995 |
|    |         |    |            | WO | 8910147 A    | 02/11/1989 |
| US | 4655753 | A  | 07/04/1987 | CA | 1277881 A,C  | 18/12/1990 |
|    |         |    |            | DE | 3676489 D    | 00/00/0000 |
|    |         |    |            | EP | 0238750 A,B  | 30/09/1987 |
|    |         |    |            | JP | 1925497 C    | 25/04/1995 |
|    |         |    |            | JP | 6051062 B    | 06/07/1994 |
|    |         |    |            | JP | 62181055 A   | 08/08/1987 |